

In re Application of:
Short and Keller
Application No.: 08/876,276
Filed: June 16, 1997
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PATENT
Atty. Docket No.: DIVER1280

In the claims

Please enter claim 19 as rewritten below:

19. (Thrice Amended) A method for identifying a bioactivity or biomolecule of interest using high throughput screening of DNA comprising:

- a) contacting a bioactive substrate that is fluorescent in the presence of the bioactivity or biomolecule of interest with a library containing a plurality of clones containing naturally occurring DNA from at least one organism;
- b) screening the library with a fluorescent analyzer that detects bioactive fluorescence, and
- c) identifying clones detected as positive for bioactive fluorescence, wherein fluorescence is indicative of naturally occurring DNA that encodes a bioactivity or biomolecule of interest.